Thread Plug Gauge Inspection Record

Sample	**Workpiece Name**	Thread Plug Gauge				
	Thread Specification	M185×2-6H GO				
	Manufacturer	Dongguan Mihe Precision Machinery Co., LTD				
	Applied Standard	GB Standard Metric Thread Gauges GB/T 3934-2003				
Measurement Standard	**Instrument Name**	Universal Thread Measuring Machine	**Instrument Serial Number**		SJ5500-4002500245	
	Instrument Certificate Number	P2100	**Reference Standard Name**		P_200	
	Validity Period	2030-12-30	**Reference Standard Diameter**		199.9878	
Flank Engagement Percentage		35%	**Temperature**	20℃	**Relative Humidity**	60%

Inspection Item	Lower Limit	Upper Limit	Measured Value	Error Graph
Major Diameter(mm)	184.3740	184.4020	184.3889	
Minor Diameter(mm)	/	182.8350	182.3936	
Basic Pitch Diameter – New Plug(mm)	183.9810	183.9950	183.9918	
Basic Pitch Diameter – Worn Plug(mm)	183.9730	183.9950	183.9918	
Pitch(mm)	1.9960	2.0040	2.0001	
Cumulative Pitch Error(mm)	/	/	0.0022	
Thread Angle(°′)	59°32′	60°28′	60° 3′	
Left Flank Angle(°′)	29°46′	30°14′	30° 1′	
Right Flank Angle(°′)	29°46′	30°14′	30° 1′	
Left Flank Straightness(mm)	/	/	0.0015	
Right Flank Straightness(mm)	/	/	0.0009	

Inspection Date：2026-09-16 10:06:33